Preparative SFC Featured At Pittcon 2012

By Kristen Burkhardt / April 24, 2012

JASCO's featured product at Pittcon 2012 is the Prep-2088 Preparative SFC system. An excellent choice for both chiral and achiral separations with column sizes from 10mm up to 30mm for small scale to intermediate scale sample purification.

The heart of the system is JASCO'S patented back- pressure regulator, which allows control of system pressure regardless of solvent composition and flow rate. The solvent delivery system is based on the proven performance of our reciprocating pumps developed over 40 years; the new PU-2088 pumps deliver up to 120ml/min of CO2 and up to 80 ml/min of modifier and flush solvents at pressures up to 35 MPa (5000 psi). Sample Injection can be manual or fully automated with a choice of high capacity autosampler or JASCO's unique 'no-loss' high speed LVI injection system. Automated Stacked injections provide maximum sample throughput in the shortest possible time while also minimizing solvent consumption. Detection choices include UV and/or CD and with MS interface.

Sample collection of up to 8 fractions without carry over and with a separate bypass to waste can be made using time window, signal level and/or slope as standard with recoveries of better than 95%. Purity monitoring of chiral molecules using the g-factor output of the CD detector is standard with the CD detector option.

The column oven can accommodate columns up to 30 mm x 250 mm with a temperature range from 10 deg C below ambient to 80 deg C.

The rugged and reliable SF-NAV Process control software is designed to make fully automated operation simple and intuitive with monitoring and recording of all data and system parameters such as chromatograms and temperatures as well as pump, column and BPR operating pressures.

For more details, visit the Preparative SFC page.

About the Author

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